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| 09/727,537 | 12/04/2000 | Kagumi Moriwaki | 44084-483 | 4339 |

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600 13th Street N.W.
Washington, DC 20005-3096

EXAMINER

HENN, TIMOTHY J

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2612

DATE MAILED: 06/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/727,537

Applicant(s)

MORIWAKI, KAGUMI

Examiner

Timothy J Henn

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>2</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claim 1 is objected to because of the following informalities: "each frames corresponding to types of object" is grammatically incorrect. Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 7, 9, 10 and 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

[claims 7 and 10]

In regard to claims 7 and 10, "the image gate based on the information" lacks antecedent basis. For the purposes of art rejections, the limitation will be read as "the image data based on the information".

[claims 9 and 11]

In regard to claims 9 and 11, "wherein the reading device the image data" is confusing. For the purposes of art rejection, this limitation will be read as "wherein the reading device reads the image data".

Claim Rejections - 35 USC § 102

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4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 8-11, 14 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Parulski et al. (US 6,573,927).

[claim 8]

In regard to claim 8, note that Parulski et al. discloses an image processing device (Figure 1b, Item 14) for image processing of an image data including an photographic object, comprising: a reading device (Figure 1b, "MEMORY CARD INTERFACE") for reading the image data (i.e. a captured picture) and an information having a kind of an object in the image data (e.g. Appendix 1; "%AlbumHeading: ~Vacation images~") and an object area data in which the object is arranged within the image data (i.e. crop section; Appendix 1; Column 5, Lines 48-50); and a photographic image corrector for correcting the image data based on the information (Column 5, Lines 46-48).

[claim 9]

In regard to claim 9, note that Parulski et al. discloses the reading device reads the image data and the information from a removable recording medium (Figure 1b; "MEMORY CARD INTERFACE") or a digital imaging device through a communication

(Figure 1b, "COMMUNICATIONS NETWORK").

[claim 10]

In regard to claim 10, note that Parulski et al. discloses an image processing device (Figure 1b, Item 14) for image processing of an image data including a photographic object, comprising: a template memory for storing a template which is a previously prepared image data (Column 5, Lines 46-48); a reading device (Figure 1b, "MEMORY CARD INTERFACE") for reading the image data (i.e. a captured picture) and an information having a kind of an object in the image data (e.g. Appendix 1; "%AlbumHeading: ~Vacation images~") and an object area data in which the object is arranged within the image data (i.e. crop section; Appendix 1; Column 5, Lines 48-50); and a template combining means for combining the template from the template memory with the image gate based on the information (Column 5, Lines 46-48).

[claim 11]

In regard to claim 11, note that Parulski et al. discloses the reading device reads the image data and the information from a removable recording medium (Figure 1b; "MEMORY CARD INTERFACE") or a digital imaging device through a communication (Figure 1b, "COMMUNICATIONS NETWORK").

[claims 14 and 15]

Claims 14 and 15 are method claims corresponding to apparatus claims 8 and 10 respectively. Therefore, claims 14 and 15 are analyzed and rejected as previously discussed with respect to claims 8 and 10.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-7, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Parulski et al. (US 6,573,927) in view of Iijima et al. (US 6,621,524).

[claim 1]

In regard to claim 1, note that Parulski et al. discloses a digital imaging device for obtaining image data as digital data of a photographic image including an object (Figure 1, Item 12), comprising: a memory for storing image data of a plurality of frames representing an ideal region of an object within an image (Figure 1, Item 36; Column 3, Lines 11-19; The office notes that different frames will select different sections of the object which will be maintained, while other sections will be overwritten by the frame's image data), each frame corresponding to object types (The office notes that different frames will correspond to different object types, for example, a "Happy Birthday" frame would correspond to a picture of a birthday party); a frame selector for selecting a frame from the plurality of frames as a selected frame (Column 5, Lines 35-50); a display device for displaying the selected frame superimposed on a monitor image obtained by an image sensing device (Column 5, Lines 43-45); an image capture device (Figure 1, Item 20); and a recording device (Figure 1, Item 36) for recording an information, having a type of the object corresponding to the selected frame (Appendix 1; The office notes

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that the utilization file corresponds the image data or "a type of the object" to a selected frame) and data representing an object area corresponding to the selected frame (e.g. Column 5, Lines 47-50; Appendix 1), and the image data captured by the image capture device on a recording medium being associated each other (Figure 5; Appendix 1; The office notes that the utilization file of Parulski et al. associates the templates with the stored image data). Therefore, it can be seen that Parulski et al. lacks an image capture device which captures image data based on the a monitor image.

Iijima et al. discloses a digital camera which captures an image based upon a monitor image superimposed by a template image (Figure 9, Figure 10) to allow the user to line up a template image and picture image data properly. Therefore, It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Parulski et al. to use a monitor image to guide image capturing to properly align a template image and picture image data as taught by Iijima et al.

[claim 2]

In regard to claim 2, note that Parulski et al. teaches the use of selecting frames using keywords (Column 3, Lines 5-44).

[claim 3]

In regard to claim 3, note that Parulski et al. discloses storing information which has object region coordinates for specifying the object region (i.e. crop section; Appendix 1; Column 5, Lines 48-50) and an object name for specifying the type of object (e.g. Appendix 1; "%AlbumHeading: ~Vacation images~").

[claim 4]

In regard to claim 4, note that Parulski et al. further discloses of an image corrector for correcting the image data based on the information (Column 5, Lines 43-46).

[claim 5]

In regard to claim 5, note that Parulski et al. further discloses a template memory for storing a template which is a previously prepared image (Figure 1, Item 36; Column 3, Lines 5-24); and a template combining means for combining the template from the template memory with the image data based on the information (Column 5, Lines 43-46).

[claim 6]

In regard to claim 6, note that Parulski et al. in view of Iijima et al. discloses a digital imaging device as claimed in claim 1 (see above). It is further noted that Parulski et al. further comprises a computer having a reading device for reading the information and the image data from the recording medium (e.g. Figure 1b, Item 14), and an image corrector for correcting image data based on the information (Column 5, Lines 46-48).

[claim 7]

In regard to claim 7, note that Parulski et al. in view of Iijima et al. discloses a digital imaging device as claimed in claim 1 (see above). It is further noted that Parulski et al. further comprises a computer (e.g. Figure 1b, Item 14) having a template memory for storing a template which is a previously prepared image, a reading device for reading the information and the image data from a recording medium, and a

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template combining means for combining the template from the template memory with the image data based on the information (Column 5, Lines 46-48).

[claims 12 and 13]

Claim 12 and 13 are method claims corresponding to apparatus claim 1.

Therefore, claims 12 and 13 are analyzed and rejected as previously discussed with respect to claim 1.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following prior art further shows the current state of the art in cameras with template image operations:

- | | | |
|------|-----------------|--------------|
| i. | Moghadam et al. | US 5,706,049 |
| ii. | Ohtsuka | US 6,198,526 |
| iii. | Dotsubo et al. | US 6,556,243 |
| iv. | Windle | US 6,606,117 |

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy J Henn whose telephone number is (703) 305-8327. The examiner can normally be reached on M-F 7:30 AM - 5:00 PM, alternate Fridays off.

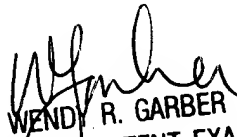
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wendy R Garber can be reached on (703) 305-4929. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TJH
6-7-2004


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